

**INPUT SET: S31933.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Gunzburg, Walter H.  
Saller, Robert M.  
Salmons, Brian

(ii) TITLE OF INVENTION: RETROVIRAL VECTORS CARRYING SENESCENT CELL DERIVED INHIBITORS 1 (SDI-1) OR ANTISENSE SDI-1 NUCLEOTIDE SEQUENCES

(iii) NUMBER OF SEQUENCES: 7

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
- (B) STREET: TWO MILITIA DRIVE
- (C) CITY: LEXINGTON
- (D) STATE: MASSACHUSETTS
- (E) COUNTRY: USA
- (F) ZIP: 02173

(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0. Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 09/058,546  
(B) FILING DATE: 10-APR-1998  
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/EP96/04447  
(B) FILING DATE: 11-OCT-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DK 1157/95  
(B) FILING DATE: 13-OCT-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Brook, David E.  
(B) REGISTRATION NUMBER: 22,592  
(C) REFERENCE/DOCKET NUMBER: GS

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Brook, David E.
- (B) REGISTRATION NUMBER: 22,592
- (C) REFERENCE/DOCKET NUMBER: GSF98-02A

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/058,546DATE: 05/20/1999  
TIME: 14:37:11

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47 (ix) TELECOMMUNICATION INFORMATION:  
48 (A) TELEPHONE: (781) 861-6240  
49 (B) TELEFAX: (781) 861-9540  
50

51 (2) INFORMATION FOR SEQ ID NO:1:  
52

53 (i) SEQUENCE CHARACTERISTICS:  
54 (A) LENGTH: 41 base pairs  
55 (B) TYPE: nucleic acid  
56 (C) STRANDEDNESS: single  
57 (D) TOPOLOGY: linear  
58

59 (ii) MOLECULE TYPE: other nucleic acid  
60 (A) DESCRIPTION: /desc = "DNA"  
61

62  
63  
64  
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
66

67 ATGAAAGACC CCGCGGACGC GTGCGCCAGT CCTCCGATTG A 41  
68

69 (2) INFORMATION FOR SEQ ID NO:2:  
70

71 (i) SEQUENCE CHARACTERISTICS:  
72 (A) LENGTH: 20 base pairs  
73 (B) TYPE: nucleic acid  
74 (C) STRANDEDNESS: single  
75 (D) TOPOLOGY: linear  
76

77 (ii) MOLECULE TYPE: other nucleic acid  
78 (A) DESCRIPTION: /desc = "DNA"  
79

80  
81  
82  
83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
84

85 TCAATCACTC AGAGGAGACC 20  
86

87 (2) INFORMATION FOR SEQ ID NO:3:  
88

89 (i) SEQUENCE CHARACTERISTICS:  
90 (A) LENGTH: 41 base pairs  
91 (B) TYPE: nucleic acid  
92 (C) STRANDEDNESS: single  
93 (D) TOPOLOGY: linear  
94

95 (ii) MOLECULE TYPE: other nucleic acid  
96 (A) DESCRIPTION: /desc = "DNA"  
97

98  
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RAW SEQUENCE LISTING  
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INPUT SET: S31933.raw

100  
101  
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
103  
104 ACATCGATAG AAAAAGGGGG GAATGAAAGA CCCCCGCGGAC G 41  
105  
106 (2) INFORMATION FOR SEQ ID NO:4:  
107  
108 (i) SEQUENCE CHARACTERISTICS:  
109 (A) LENGTH: 26 base pairs  
110 (B) TYPE: nucleic acid  
111 (C) STRANDEDNESS: single  
112 (D) TOPOLOGY: linear  
113  
114 (ii) MOLECULE TYPE: other nucleic acid  
115 (A) DESCRIPTION: /desc = "DNA"  
116  
117  
118  
119  
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
121  
122 ATACCGCGGA AAAAGGGGGA AATGCC 26  
123  
124 (2) INFORMATION FOR SEQ ID NO:5:  
125  
126 (i) SEQUENCE CHARACTERISTICS:  
127 (A) LENGTH: 33 base pairs  
128 (B) TYPE: nucleic acid  
129 (C) STRANDEDNESS: single  
130 (D) TOPOLOGY: linear  
131  
132 (ii) MOLECULE TYPE: other nucleic acid  
133 (A) DESCRIPTION: /desc = "DNA"  
134  
135  
136  
137  
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
139  
140 GCGGCGACGC GTAAGTTAC TCAAAAAATC AGC 33  
141  
142 (2) INFORMATION FOR SEQ ID NO:6:  
143  
144 (i) SEQUENCE CHARACTERISTICS:  
145 (A) LENGTH: 28 base pairs  
146 (B) TYPE: nucleic acid  
147 (C) STRANDEDNESS: single  
148 (D) TOPOLOGY: linear  
149  
150 (ii) MOLECULE TYPE: other nucleic acid  
151 (A) DESCRIPTION: /desc = "DNA"  
152

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PATENT APPLICATION US/09/058,546DATE: 05/20/1999  
TIME: 14:37:12

INPUT SET: S31933.raw

153  
154  
155  
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
157  
158 TATGGACGTC TCCCTGCCGA AGTCAGTT 28  
159  
160 (2) INFORMATION FOR SEQ ID NO:7:  
161  
162 (i) SEQUENCE CHARACTERISTICS:  
163 (A) LENGTH: 28 base pairs  
164 (B) TYPE: nucleic acid  
165 (C) STRANDEDNESS: single  
166 (D) TOPOLOGY: linear  
167  
168 (ii) MOLECULE TYPE: other nucleic acid  
169 (A) DESCRIPTION: /desc = "DNA"  
170  
171  
172  
173  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
175  
176 TATGGGATCC GGCAGAAGAT GTAGAGCG 28  
177

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION **US/09/058,546**

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Original Text